

FIG. 1

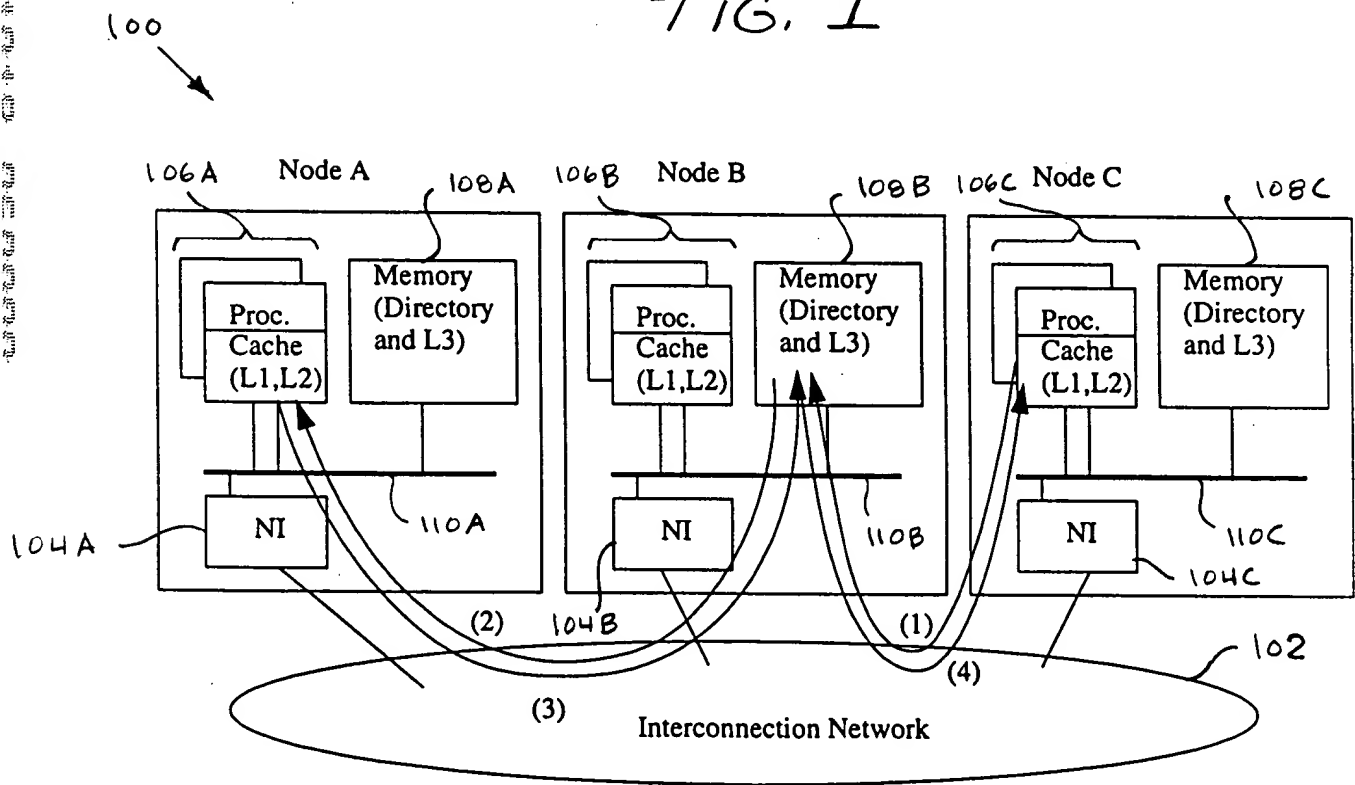


FIG. 2

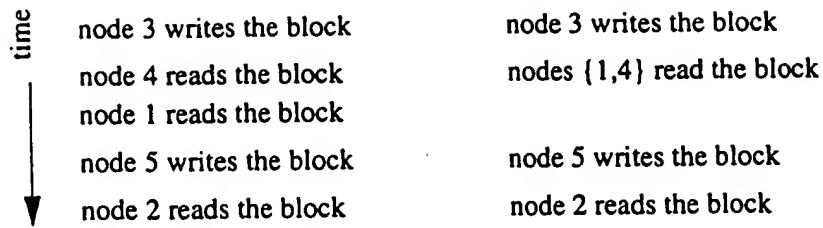


FIG. 3

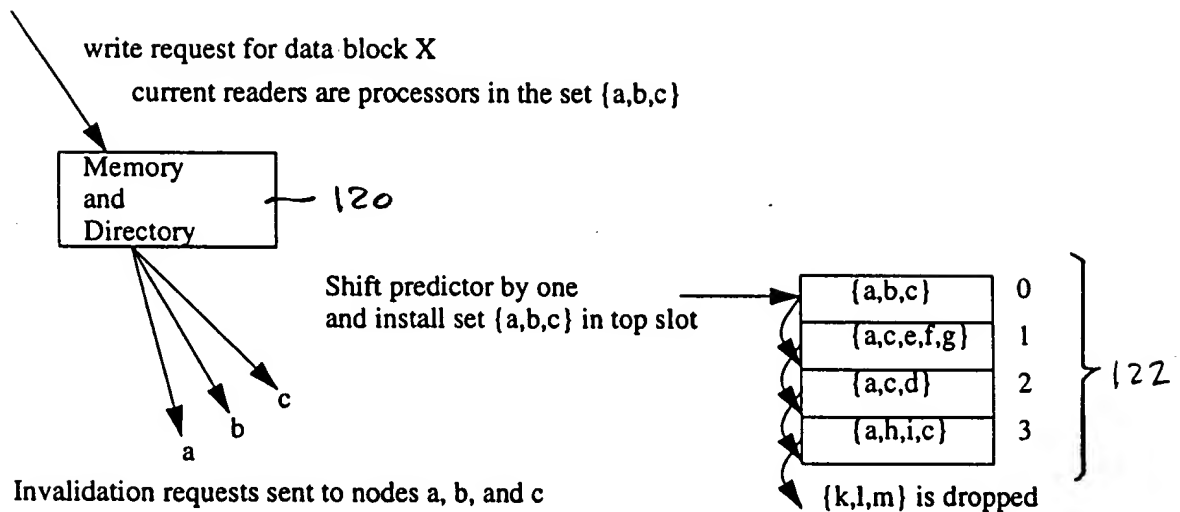


FIG. 4

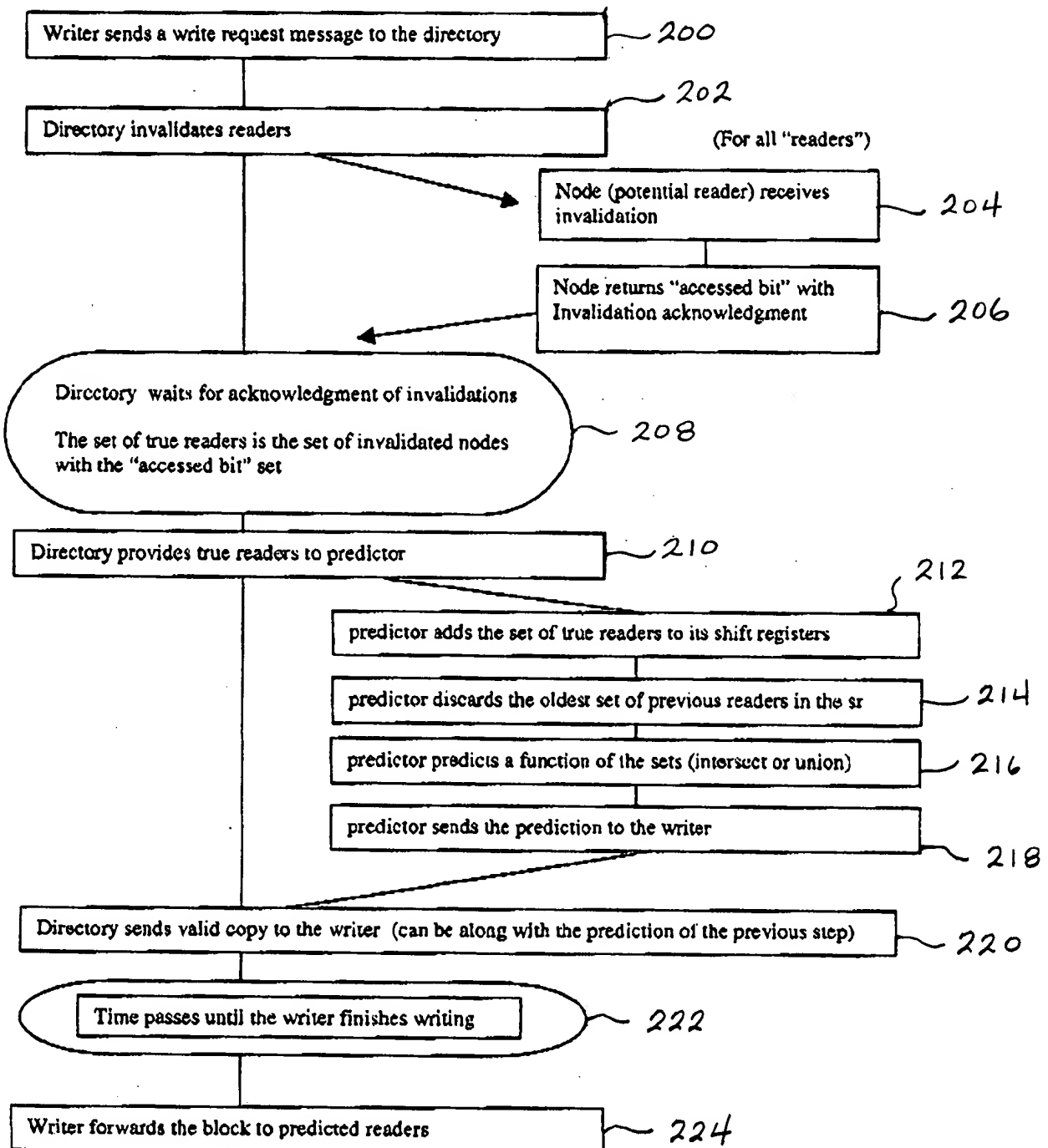


FIG. 5

Table 1: Top 10 PVP direct update.

scheme	size	sens.	spec.	PVP	PVN
inter(pid+add ₄) ⁴	14	0.30	1.00	0.92	0.93
inter(pid+add ₈) ⁴	18	0.31	1.00	0.92	0.93
inter(pid+add ₈) ³	18	0.35	1.00	0.91	0.93
inter(pid+pc ₄ +add ₄) ⁴	18	0.35	1.00	0.90	0.93
inter(pid+add ₄) ³	14	0.34	1.00	0.89	0.93
inter(pid+dir+add ₄) ⁴	18	0.32	1.00	0.88	0.93
inter(pid+pc ₄ +add ₄) ³	18	0.37	1.00	0.88	0.93
inter(pid) ⁴	10	0.29	1.00	0.88	0.92
inter(pid+pc ₄) ⁴	14	0.37	0.99	0.87	0.93
inter(pid+pc ₈) ⁴	18	0.39	0.99	0.86	0.93

Table 4: Top 10 PVP forwarded update.

scheme	size	sens.	spec.	PVP	PVN
inter(pid+pc ₄ +add ₄) ⁴	18	0.34	1.00	0.92	0.93
inter(pid+add ₄) ⁴	14	0.33	1.00	0.91	0.93
inter(pid+add ₈) ⁴	18	0.33	1.00	0.91	0.93
inter(pid+dir+add ₄) ⁴	18	0.34	1.00	0.91	0.93
inter(pid+add ₈) ³	18	0.37	1.00	0.90	0.93
inter(pid+add ₄) ³	14	0.36	1.00	0.88	0.93
inter(pid+pc ₄ +add ₄) ³	18	0.37	1.00	0.88	0.93
inter(pid+dir) ⁴	14	0.38	0.99	0.88	0.93
inter(pid+dir+add ₄) ³	18	0.37	1.00	0.88	0.93
inter(pid) ⁴	10	0.33	1.00	0.87	0.93

Table 2: Top 10 spec. direct update.

scheme	size	sens.	spec.	PVP	PVN
inter(pc ₄ +add ₈) ⁴	18	0.12	1.00	0.72	0.91
inter(add ₄) ⁴	10	0.07	1.00	0.78	0.91
inter(pid+add ₈) ⁴	18	0.31	1.00	0.92	0.93
inter() ⁴	8	0.03	1.00	0.73	0.90
inter(add ₈) ⁴	14	0.11	1.00	0.70	0.91
inter(pc ₄ +add ₄) ⁴	14	0.08	1.00	0.74	0.91
inter(pc ₈ +add ₄) ⁴	18	0.09	1.00	0.74	0.91
inter(pc ₄) ⁴	10	0.04	1.00	0.71	0.90
inter(pc ₈) ⁴	14	0.04	1.00	0.71	0.90
inter(pc ₄ +dir+add ₄) ⁴	18	0.20	1.00	0.73	0.92

Table 5: Top 10 spec. forwarded update

scheme	size	sens.	spec.	PVP	PVN
inter(pc ₄ +add ₈) ⁴	18	0.11	1.00	0.69	0.91
inter(add ₄) ⁴	10	0.07	1.00	0.78	0.91
inter() ⁴	6	0.03	1.00	0.73	0.90
inter(add ₈) ⁴	14	0.11	1.00	0.70	0.91
inter(pid+add ₈) ⁴	18	0.33	1.00	0.91	0.93
inter(pc ₈ +add ₄) ⁴	18	0.09	1.00	0.74	0.91
inter(pc ₄ +add ₄) ⁴	14	0.07	1.00	0.69	0.91
inter(pid+pc ₄ +add ₄) ⁴	18	0.34	1.00	0.92	0.93
inter(pc ₄ +dir+add ₄) ⁴	18	0.18	1.00	0.73	0.91
inter(pc ₄) ⁴	20	0.03	1.00	0.61	0.90

Table 3: Top 10 sens. direct update.

scheme	size	sens.	spec.	PVP	PVN
union(dir+add ₄) ⁴	14	0.67	0.86	0.40	0.95
union(dir) ⁴	10	0.67	0.85	0.39	0.95
union(pc ₄ +dir) ⁴	14	0.67	0.85	0.40	0.95
union(pc ₄ +dir+add ₄) ⁴	18	0.67	0.85	0.40	0.95
union(dir+add ₈) ⁴	18	0.67	0.87	0.42	0.95
union(pc ₈ +dir) ⁴	18	0.66	0.86	0.42	0.95
union(pid+add ₄) ⁴	14	0.66	0.87	0.41	0.95
union(pid+add ₈) ⁴	18	0.66	0.87	0.42	0.95
union(add ₁₂) ⁴	18	0.66	0.86	0.40	0.95
union(add ₄) ⁴	10	0.66	0.80	0.29	0.95

Table 6: Top 10 sens. forwarded update

scheme	size	sens.	spec.	PVP	PVN
union(dir+add ₄) ⁴	14	0.67	0.86	0.40	0.95
union(dir) ⁴	10	0.67	0.85	0.39	0.95
union(dir+add ₈) ⁴	18	0.67	0.87	0.42	0.95
union(pc+dir+add ₄) ⁴	18	0.66	0.89	0.45	0.95
union(add ₁₂) ⁴	18	0.66	0.86	0.40	0.95
union(pid+dir) ⁴	14	0.66	0.89	0.45	0.95
union(add ₄) ⁴	10	0.66	0.80	0.29	0.95
union() ⁴	6	0.65	0.77	0.25	0.95
union(add ₈) ⁴	14	0.65	0.84	0.35	0.95
union(pid+add ₁₆) ⁴	18	0.65	0.88	0.44	0.95

FIG. 6